

Table - Person

```
create table person (  
  person_id SERIAL PRIMARY KEY,  
  name VARCHAR(20),  
  age INTEGER,  
  height_cm INTEGER,  
  city VARCHAR(20),  
  favorite_color VARCHAR(20)  
)  
insert into person (  
  name,  
  age,  
  height_cm,  
  city,  
  favorite_color  
) values  
(  
  'Steve Stevies',  
  54,  
  182,  
  'Portland',  
  'Green'  
) ,  
(  
  'Bubs Johnson',  
  38,  
  159,  
  'Nashville',  
  'Red'  
) ,  
(  
  'Terry Lowry',  
  89,  
  147,  
  'Salt Lake City',  
  'Blue'  
) ,  
(  
  'Linda Matthews',  
  29,  
  163,  
  'San Diego',
```

```
'Yellow'  
,  
(  
  'Charlie Porter',  
  18,  
  150,  
  'Orem',  
  'Purple'  
);
```

```
select * from person  
order by height_cm desc;
```

```
select * from person  
order by height_cm;
```

```
select * from person  
where age > 20;
```

```
select * from person  
where age = 18;
```

```
select * from person  
where age < 20 or age > 30;
```

```
select * from person  
where age <> 27;
```

```
select * from person  
where favorite_color <> 'Red';
```

```
select * from person  
where favorite_color <> 'Red' and favorite_color <> 'Blue';
```

```
select * from person  
where favorite_color = 'Orange' or favorite_color = 'Green';
```

```
select * from person  
where favorite_color in ('Orange', 'Green', 'Blue');
```

```
select * from person  
where favorite_color in ('Yellow', 'Purple');
```

Table - Orders

```
create table orders (  
  order_id SERIAL PRIMARY KEY,  
  person_id integer,  
  product_name VARCHAR(40),  
  product_price FLOAT,  
  quantity INTEGER  
)
```

```
insert into orders (  
  person_id,  
  product_name,  
  product_price,  
  quantity  
) values (  
  1,  
  'Oats',  
  3.99,  
  2  
) , (  
  1,  
  'Berries',  
  5.98,  
  1  
) , (  
  2,  
  'Pizza',  
  8.99,  
  4  
) , (  
  3,  
  'Drink',  
  1.99,  
  3  
) ;
```

```
select * from orders
```

```
select sum(quantity) from orders;
```

```
select product_name, (product_price*quantity) as total_price from orders;
```

```
select person_id, sum(product_price*quantity) as total_price
from orders
where person_id = 1
group by person_id;
```

Table - Artist

```
insert into artist (
  name,
  artist_id
) values (
  'Lil Yeezy',
  276
), (
  'John Macintosh',
  277
), (
  'The Fridge',
  278
)
```

```
select * from artist
order by name desc
limit 10;
```

```
select * from artist
order by name asc
limit 5;
```

```
select * from artist
where name like 'Black%';
```

```
select * from artist
where name like '%Black%';
```

Table - Employee

```
select first_name, last_name from employee
where city = 'Calgary';
```

```
select first_name, last_name, birth_date from employee
order by birth_date desc
limit 1;
```

```
select first_name, last_name, birth_date from employee
order by birth_date asc
limit 1;
```

```
select first_name, last_name, reports_to from employee
where reports_to = 2;
```

```
select count(city) as people_in_lethbridge from employee
where city = 'Lethbridge';
```

Table - Invoice

```
select count(*) as orders_from_usa from invoice
where billing_country = 'USA';
```

```
select max(total) from invoice;
```

```
select min(total) from invoice;
```

```
select * from invoice
where total > 5;
```

```
select count(*) from invoice
where total < 5;
```

```
select count(*) from invoice
where billing_state in ('CA', 'TX', 'AZ');
```

```
select avg(total) from invoice;
```

```
select sum(total) from invoice
```

```
update invoice set total = 24 where invoice_id = 5
```

```
DELETE from invoice where invoice_id = 1
```